

CP-FTMW SPECTROSCOPY OF THE LOW ENERGY CONFORMERS OF TWO CHIRAL ALCOHOLS: MYRTENOL AND NOPOL

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New microwave spectra of two bicyclic monoterpenols have been observed using CP-FTMW spectroscopy in the 6-18 GHz region of the electromagnetic spectrum. These spectra have given insight into the low energy conformers of the two molecules, with at least one conformer of nopol and multiple conformers of myrtenol having been observed. Rotational constants of the assigned structures will be reported and discussed in comparison to theory. The study of these molecules adds to a growing body of work on the spectroscopy of chiral monoterpenes.^{a,b}

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^bJ. Mol. Spectrosc. 336 (2017) 22-28